

**OLIFF & BERRIDGE, PLC**

ATTORNEYS AT LAW

277 SOUTH WASHINGTON STREET  
ALEXANDRIA, VIRGINIA 22314

TELEPHONE: (703) 836-6400

FACSIMILE: (703) 836-2787

E-MAIL: EMAIL@OLIFF.COM

WWW.OLIFF.COM

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**FACSIMILE TRANSMISSION COVER SHEET**

To: Patent Examiner D. Hanan  
Art Unit 3745  
U.S. Patent Office

PROPOSED CLAIMS571-273-6089From: Stephen P. CatlinYour Ref.: 10/802,945Our Ref.: 118834Number of Pages Sent (Including cover sheet): 3Prepared By: sc**Comments:**

Examiner Hanan:

As discussed last week, we enclose proposed claims to further distinguish Rockwood. We cancel claim 15 as it is redundant to claim 4. Additionally, claim 13 is amended to clarify the "air cooled bearing" preamble by stating that there is an "axially flowing continuous stream of cooling air," this air being pre-swirled. This is supported by the Figures and page 1, first, third and fourth paragraphs.

As discussed, Rockwood is a sealed design necessary to retain the oil. The Rockwood oil lubrication system prevents a continuous supply of cooling air being supplied axially to the bearing. As best, a very small residual amount of air may be circulated with the oil.

Please contact us to discuss this matter.

Stephen P. Catlin  
Reg. No. 36,101

Sent By: \_\_\_\_\_

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**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)
2. (Cancelled)
3. (Previously Presented) An air cooled bearing, comprising means for imparting a swirl component to cooling air flowing towards the bearing, the means for imparting a swirl component comprising at least one vane, wherein the at least one vane is fixed in relation to a bearing support means of the bearing.
4. (Previously Presented) A bearing as claimed in Claim 13, wherein the at least one vane is rotatable with respect to a bearing support means of the bearing.
5. (Previously Presented) A bearing as claimed in Claim 4, wherein the at least one vane is connected to a rotatable shaft supported by the bearing.
6. (Previously Presented) An air cooled bearing, comprising means for imparting a swirl component to cooling air flowing towards the bearing, the means for imparting a swirl component comprising at least one vane, wherein the at least one vane comprises at least one first vane and a second vane, and the at least one first vane is fixed with respect to a bearing support means of the bearing and the second vane is rotatable with respect to the bearing support means.
7. (Cancelled)
8. (Previously Presented) A bearing as claimed in Claim 13, wherein the means for imparting a swirl component to the cooling air is configured such that the circumferential swirl velocity of the cooling air is substantially equal to the rotational velocity of the bearing cage in use.

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9. (Previously Presented) An air cooled bearing, comprising means for imparting a swirl component to cooling air flowing towards the bearing, the means for imparting a swirl component comprising at least one vane, wherein the bearing comprises a total loss oil lubrication means.

10. (Previously Presented) A gas turbine engine comprising at least one bearing as claimed in claim 13.

11. (Cancelled)

12. (Cancelled)

13. (Currently Amended) An air cooled bearing, comprising:  
rolling elements;  
a bearing cage for retaining the rolling elements of the bearing, the bearing cage rotating in a first direction in use; and  
means for imparting a swirl component to an axially flowing continuous stream of cooling air and directing the cooling air toward and through the bearing cage with the swirl component of the cooling air being directed in substantially the same direction as the first direction, the means for imparting a swirl component ~~comprising~~ including at least one vane.

14. (Previously Presented) A bearing as claimed in claim 13, wherein the at least one vane is fixed in relation to a bearing support means of the bearing.

15. (Cancelled)

16. (Previously Presented) A bearing as claimed in claim 9, wherein the at least one vane is fixed in relation to a bearing support means of the bearing.

17. (Previously Presented) A bearing as claimed in claim 9, wherein the at least one vane is rotatable in relation to a bearing support of the bearing.